

	<h1>Technical Data</h1>	Code:	D-TC-40
		Revision:	00
	Poliacryl FRP Panels General Purpose Polyester – R Panel – 8oz	Effective since:	01-Jan-2020
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1. Product description.

Poliacryl Fiberglass Reinforced Polyester (FRP) Panels, manufactured by Stabilit America, Inc. are available in textured and smooth surfaces, provide ultimate durability, satisfying the most demanding applications. Poliactyl FRP panels will not mold, mildew, rot or corrode. Poliactyl FRP panels are engineered to provide durability, easy cleaning and maintenance..

2. Purpose.

Poliactyl FRP panels are designed for skylights or wall lights. Poliactyl FRP Panels are ideal for high traffic areas in Commercial, Industrial and Agro-Industrial applications where weathering characteristics are critical. Installations include steel mills aluminum production, warehouses, manufacturing facilities, etc.

3. Physical Properties - Typical Values

Property	Value	Test Method
Flexural Strength	24,000 psi	ASTM D790
Flexural Modulus	0.09 x 10 ⁶ psi	ASTM D790
Tensile Strength	15,000 psi	ASTM D638
Tensile Modulus	0.09 x 10 ⁶ psi	ASTM D638
Uniform Building Code	CC II	NA
Barcol Hardness	40 to 50 units	ASTM D2583

4. Selections

Nominal weight	Finish	Color ^Δ	Sizes ^Δ
8oz	Embossed / Smooth	Custom Capabilities	Made to order

^ΔCustom Capabilities: other sizes and colors are available, minimum order requirements and other terms apply

5. Standard Specifications

- a) Poliactyl FRP panels conform to the specification set on ASTM D3841:
 - Size (Length and Width): Specified length and width ±1/8 in
 - Squareness: ±1/8 in.
 - Weight: Specified weight ±10 %
- b) Color: Panel color shall be per specification. Within 1 dE of the specified color using the CIELab scale.

6. Approvals and Certifications

- a) Manufactured on an ISO 9001 Certified plant (TÜV Rheinland of North America, Inc.; Certificate Registration No. 74 300 3629).
- b) Mold & Mildew Resistant per ASTM D3273 and D3274 tests.

7. Storage Recommendations

- a) Store panels indoors in a cool, dry, well-ventilated area.
- b) Panels should be stacked on skids not more than 5 skids high.
- c) Do not allow moisture to collect on or in-between panels.

8. Installation Overview

- a) Safety: Use eye protection. Wear filter mask to cover nose and mouth, especially when cutting panels.
- b) Tools Required: Power saw (carbide tip), saber saw (metal cutting blade), caulking gun, tape measurer, drill, file, hammer, level, saw horses and supports.

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- c) Inspection: Carefully inspect all panels prior to installation. If any portion of material does not provide an acceptable appearance, Stabilit America, Inc should be notified immediately. Upon verification of unacceptability, that portion of material will be replaced by Stabilit America, Inc. Stabilit America, Inc's responsibility is for the replacement of defective materials but not for labor or other handling or installation expenses.



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